

Program EVALPLOT
(Version 2015-2)

by

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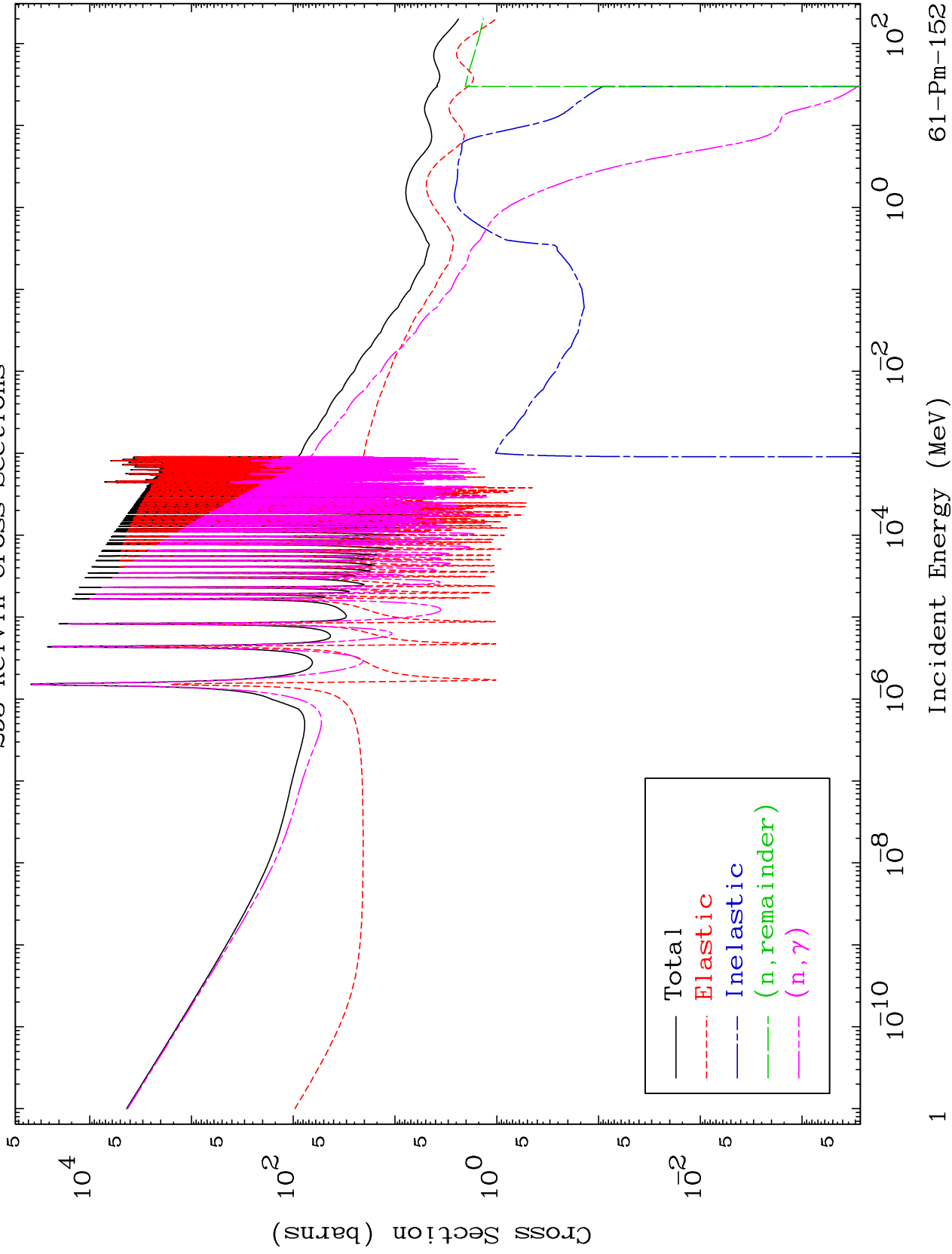
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6166

Major
293 Kelvin Cross Sections

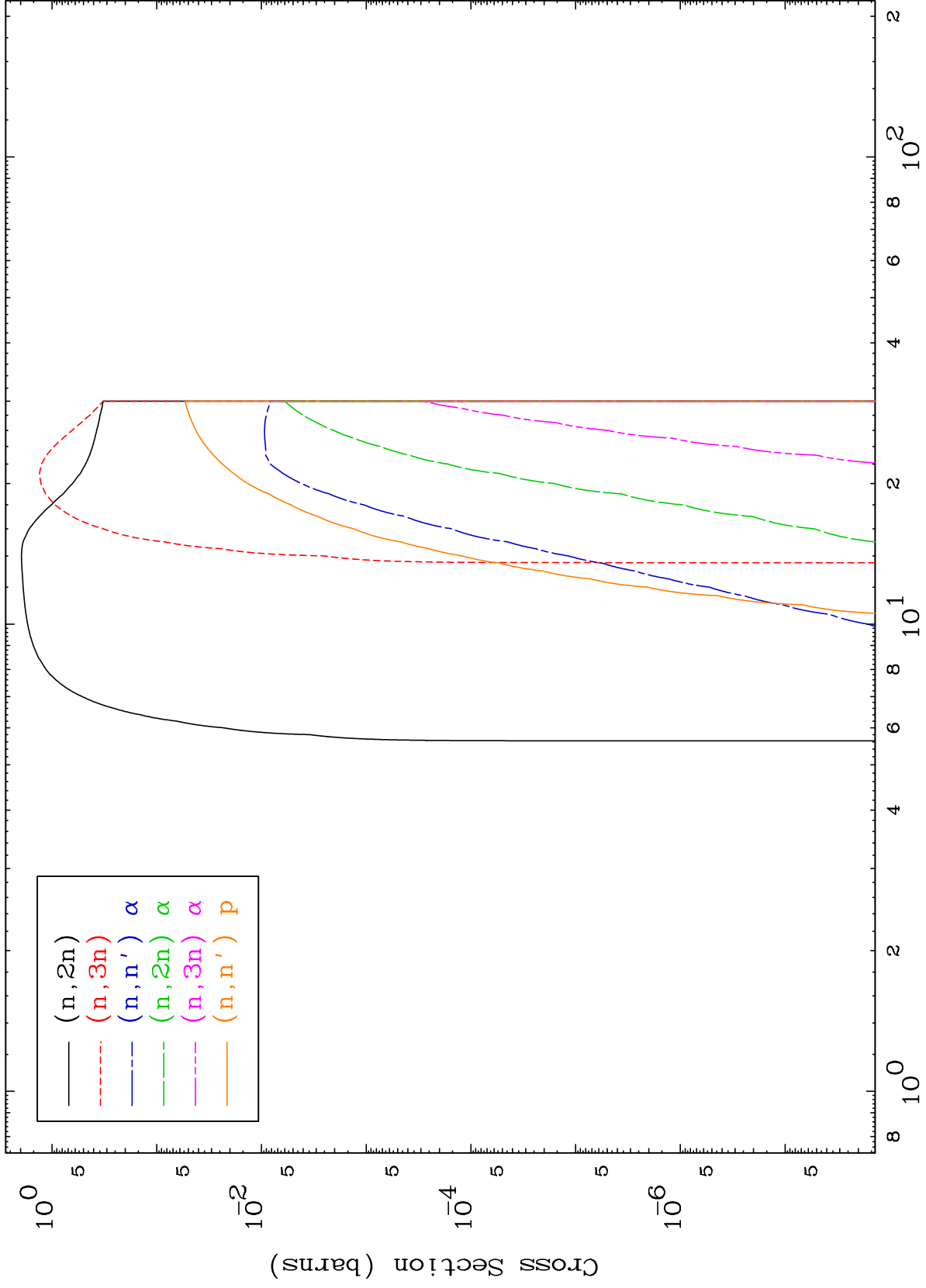
61-Pm-152



MAT 61666

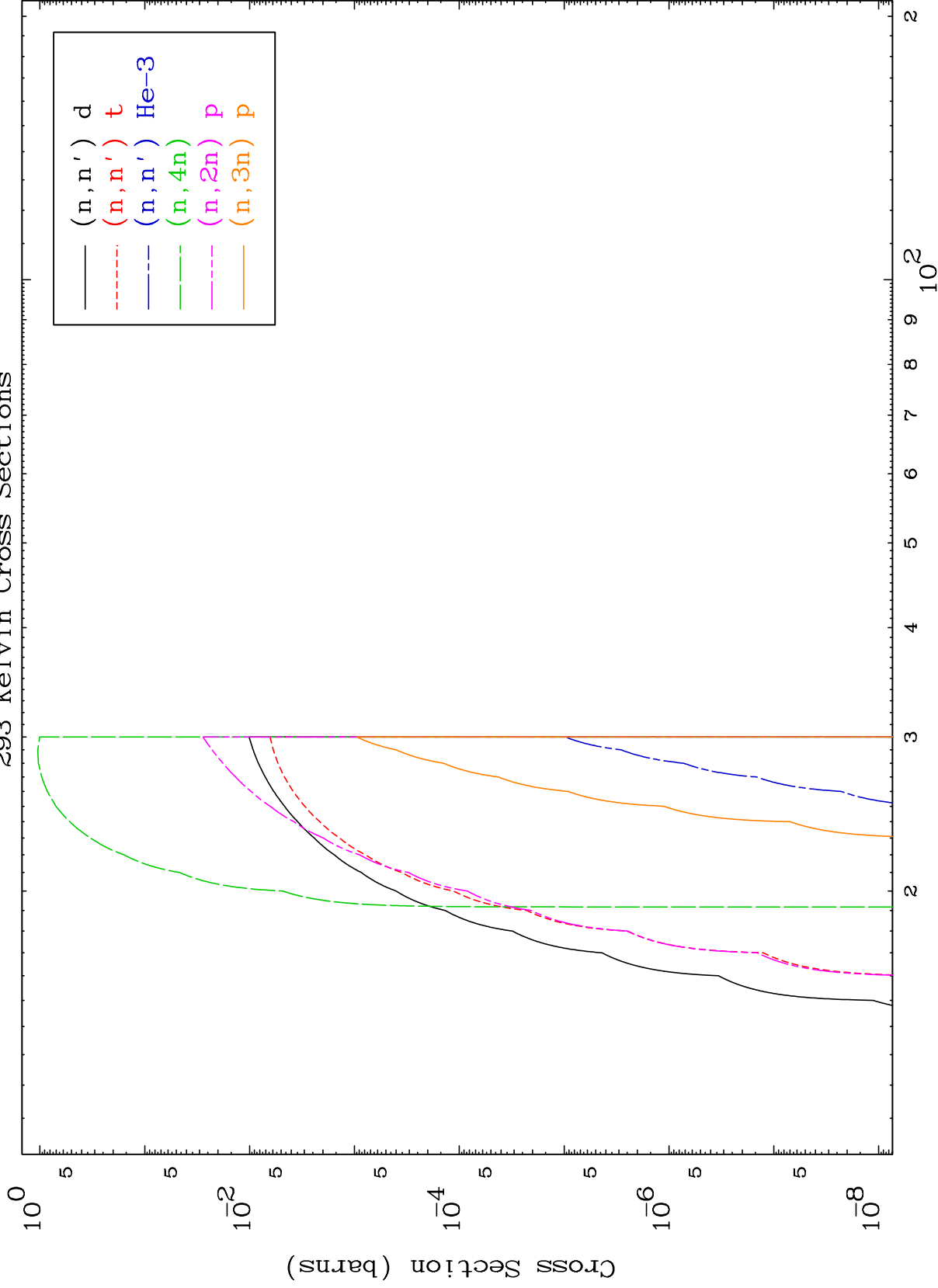
Neutron Production
293 Kelvin Cross Sections

61-Pm-152



Incident Energy (MeV)

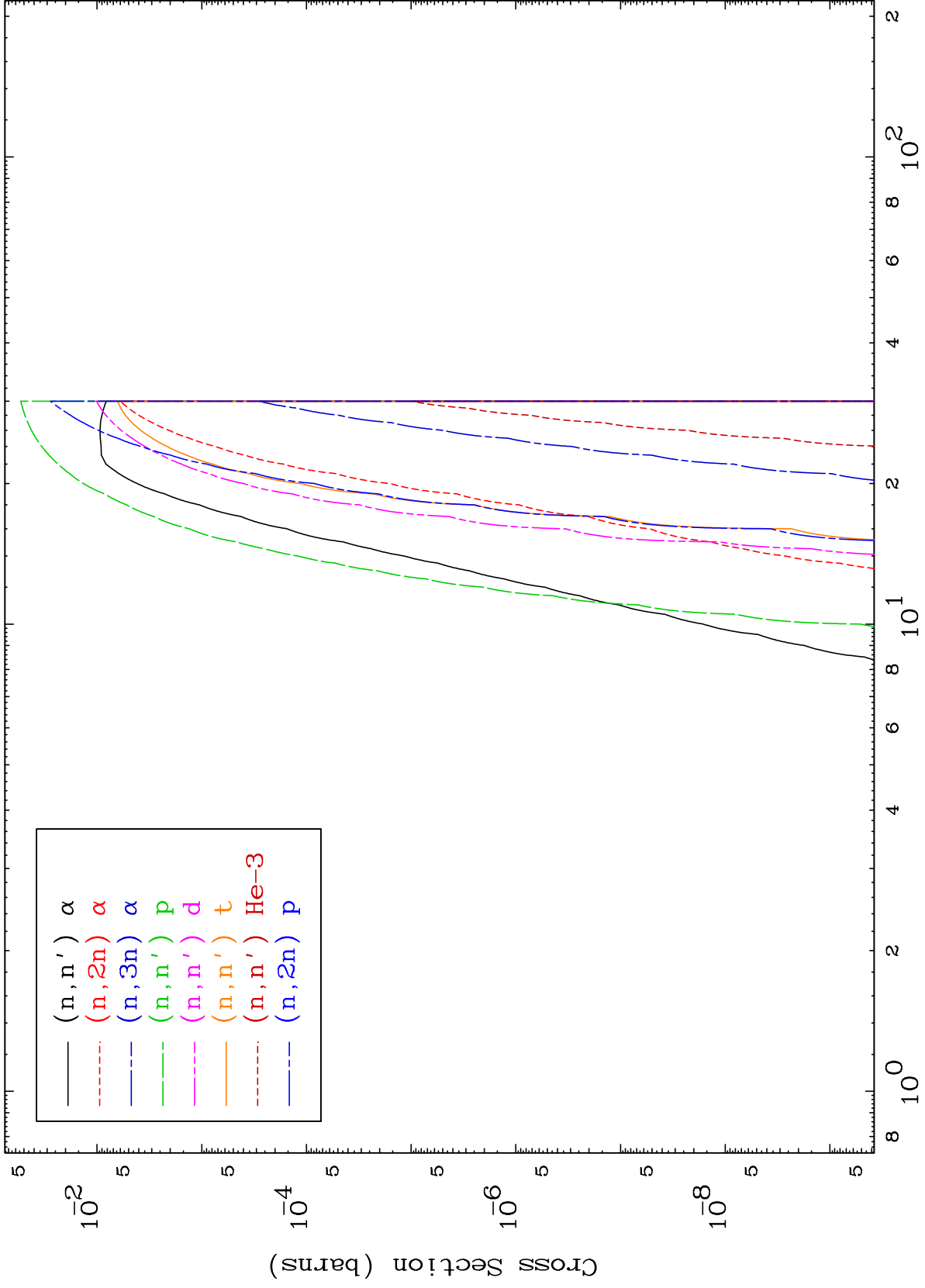
61-Pm-152



MAT 6166

Charged Particle
293 Kelvin Cross Sections

61-Pm-152



4

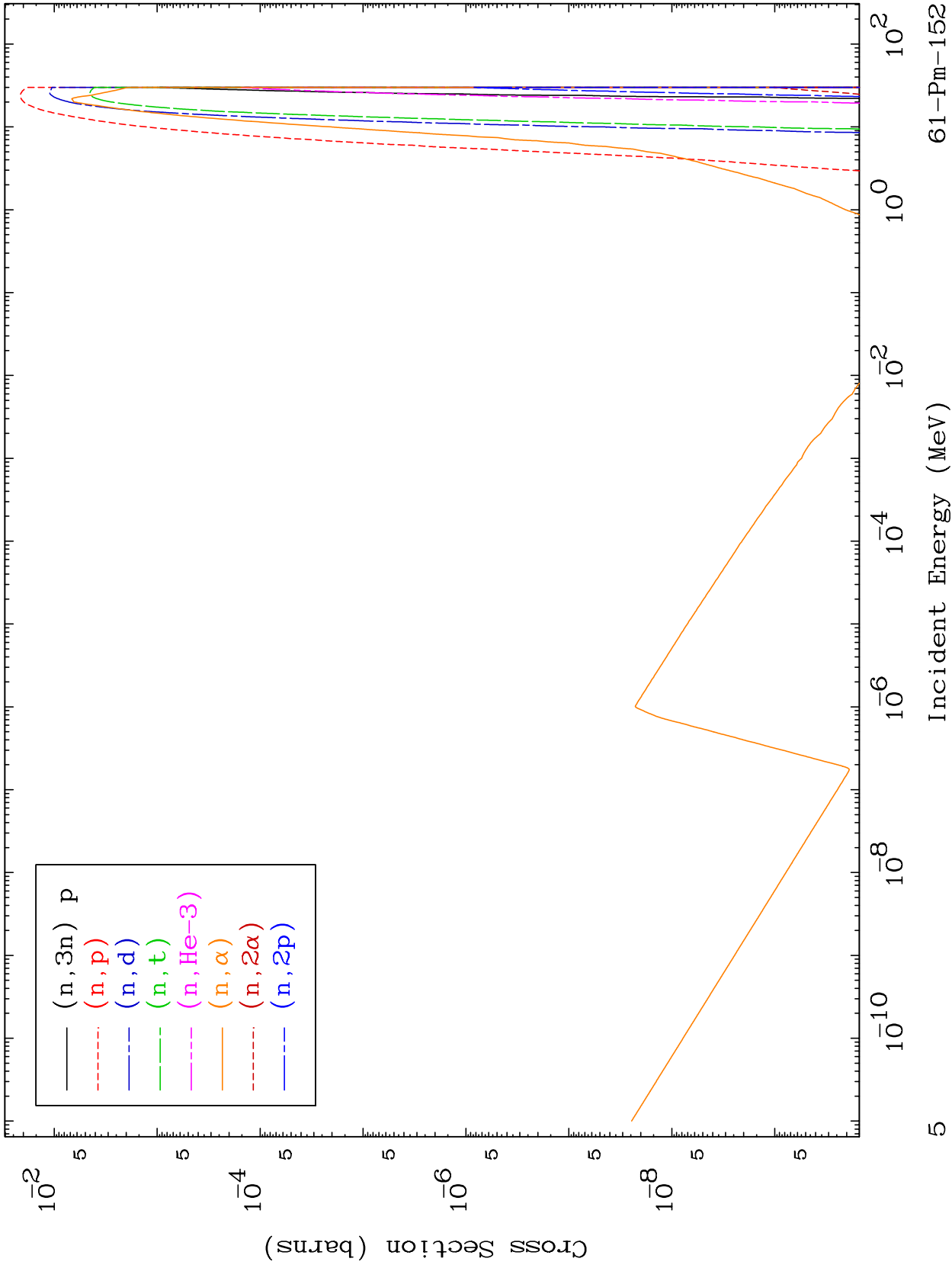
Incident Energy (MeV)

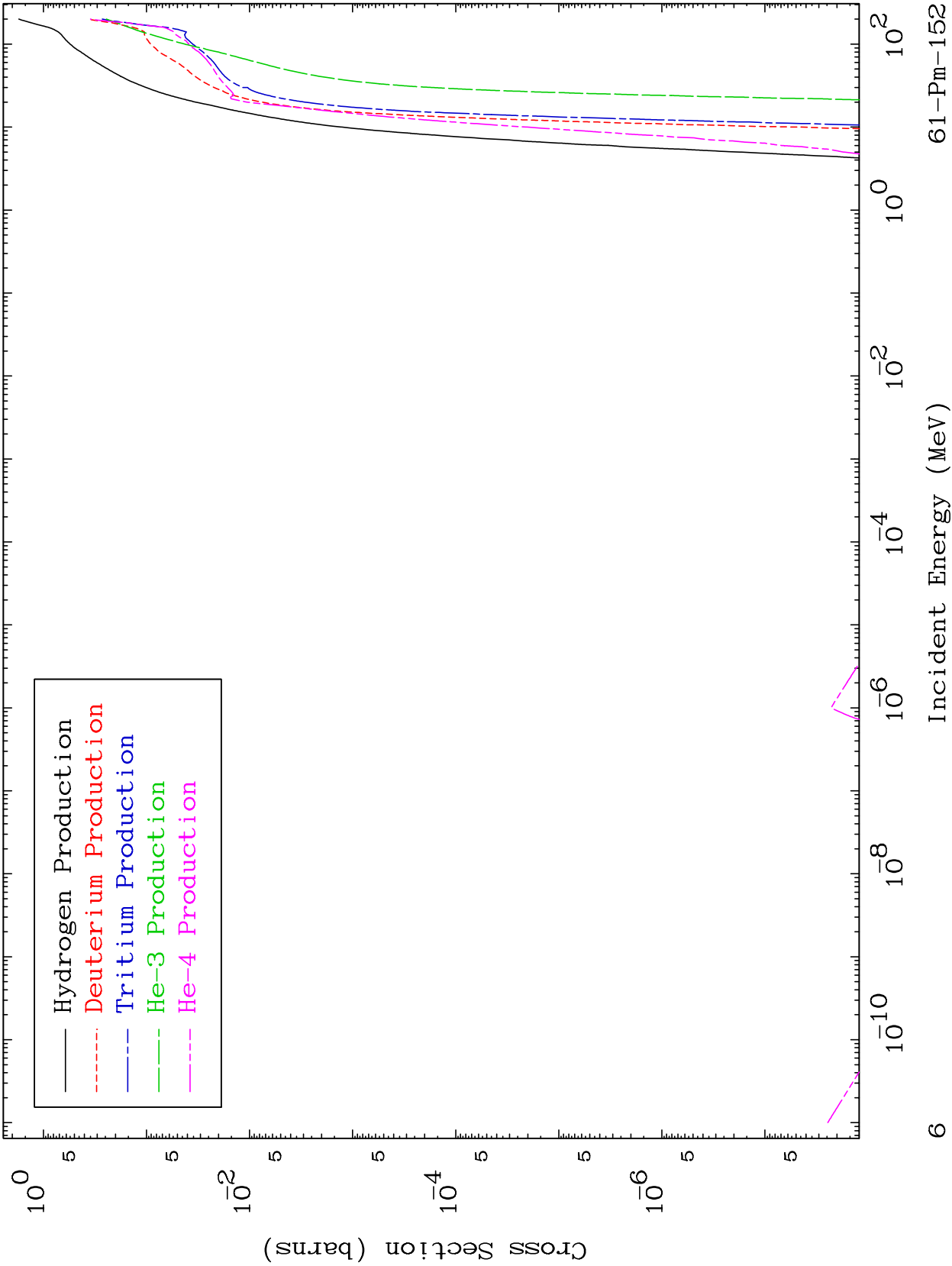
61-Pm-152

MAT 61666

Charged Particle
293 Kelvin Cross Sections

61-Pm-152

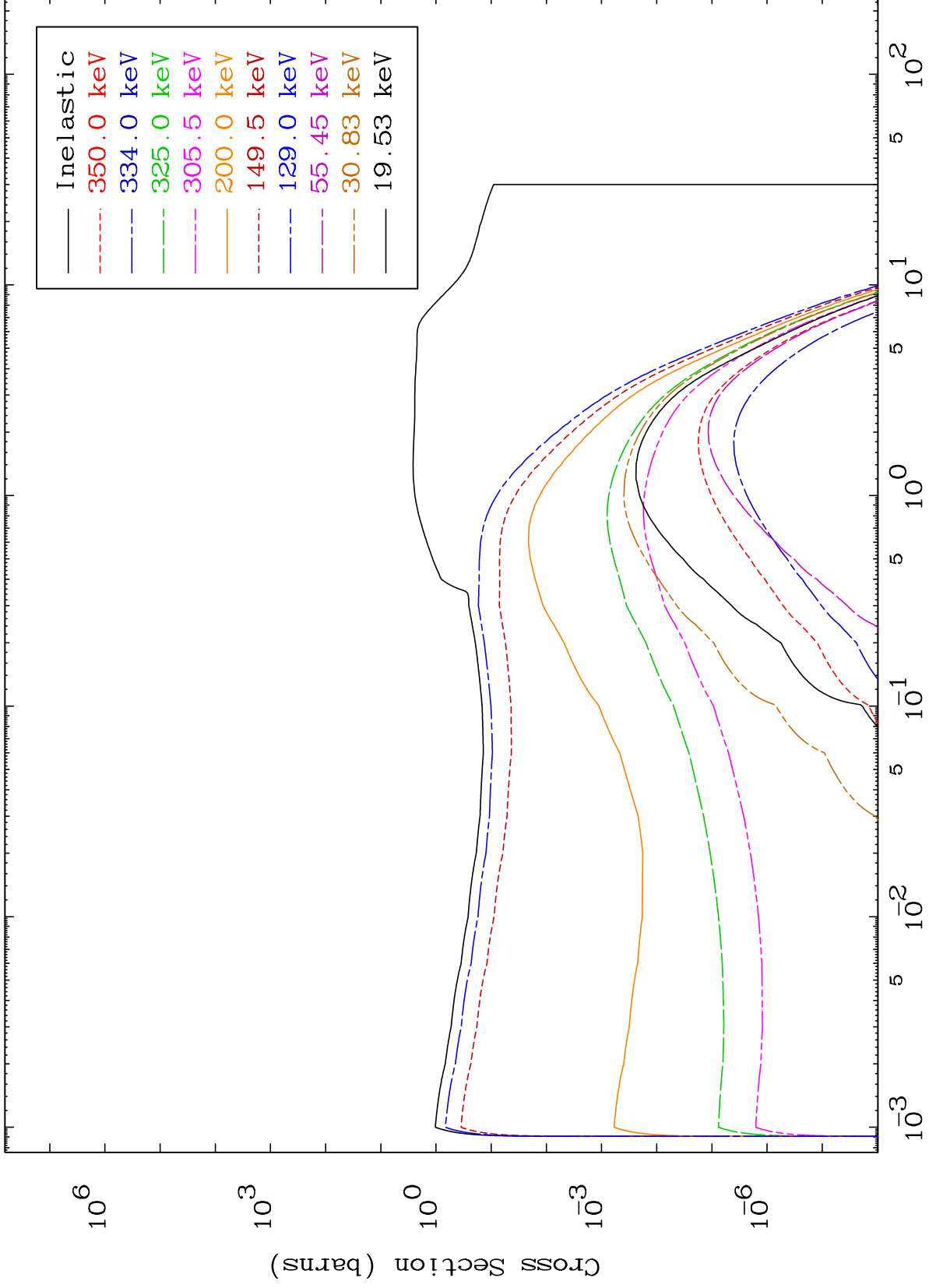




MAT 6166

(n,n') Level
293 Kelvin Cross Sections

61-Pm-152



61-Pm-152

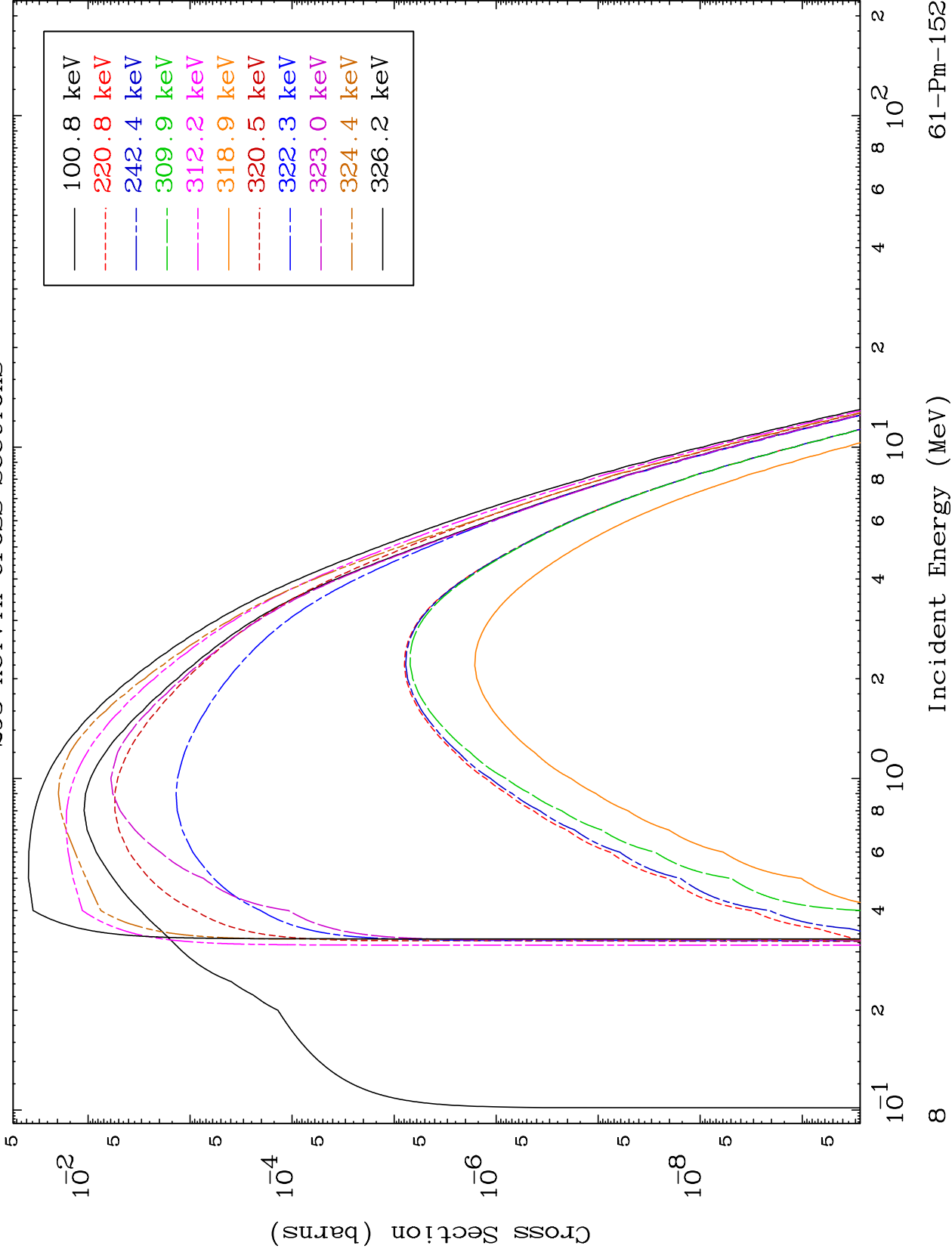
Incident Energy (MeV)

7

MAT 6166

(n,n') Level
293 Kelvin Cross Sections

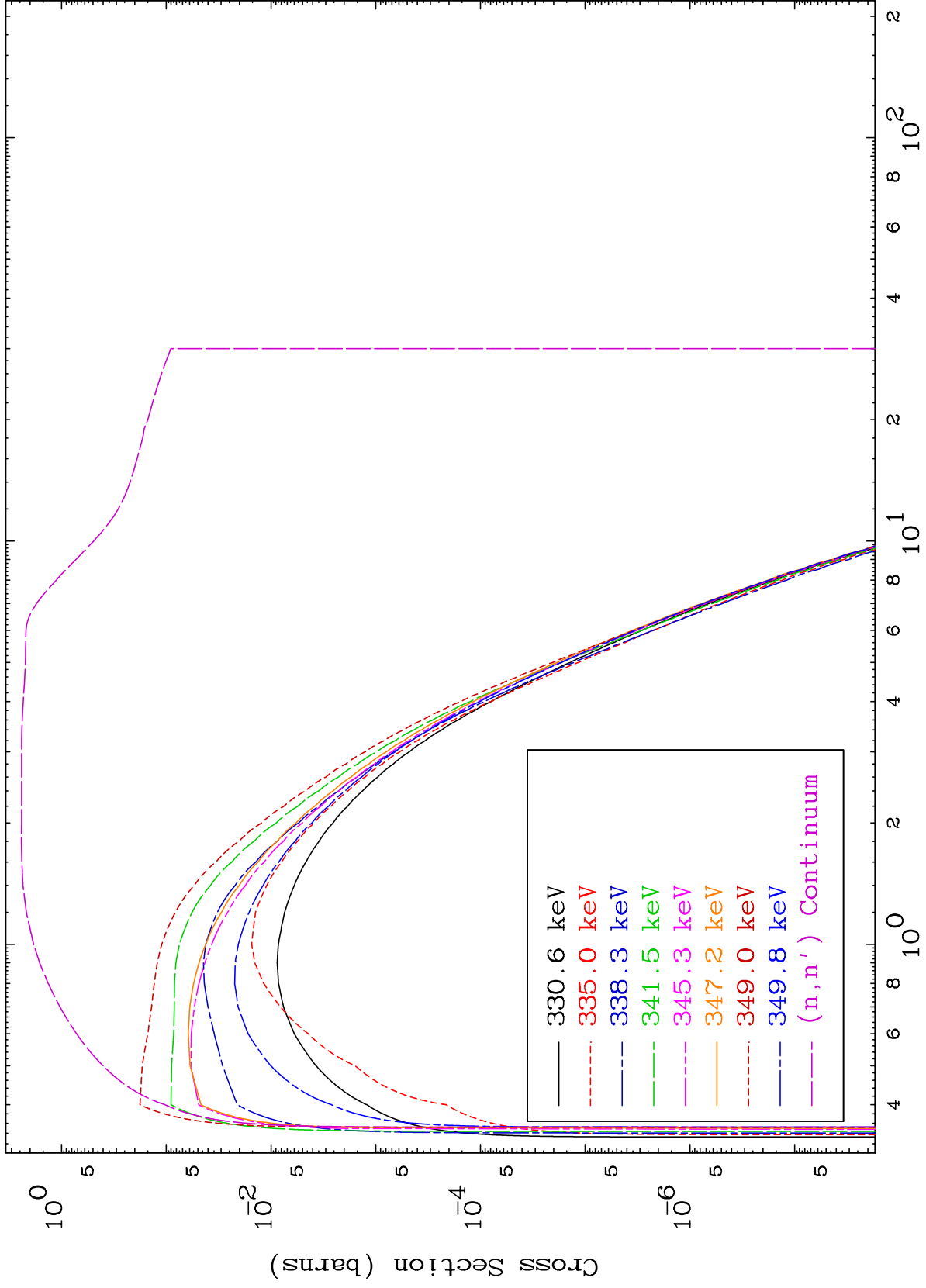
61-Pm-152



MAT 6166

293 Kelvin Cross Sections
(n,n') Level

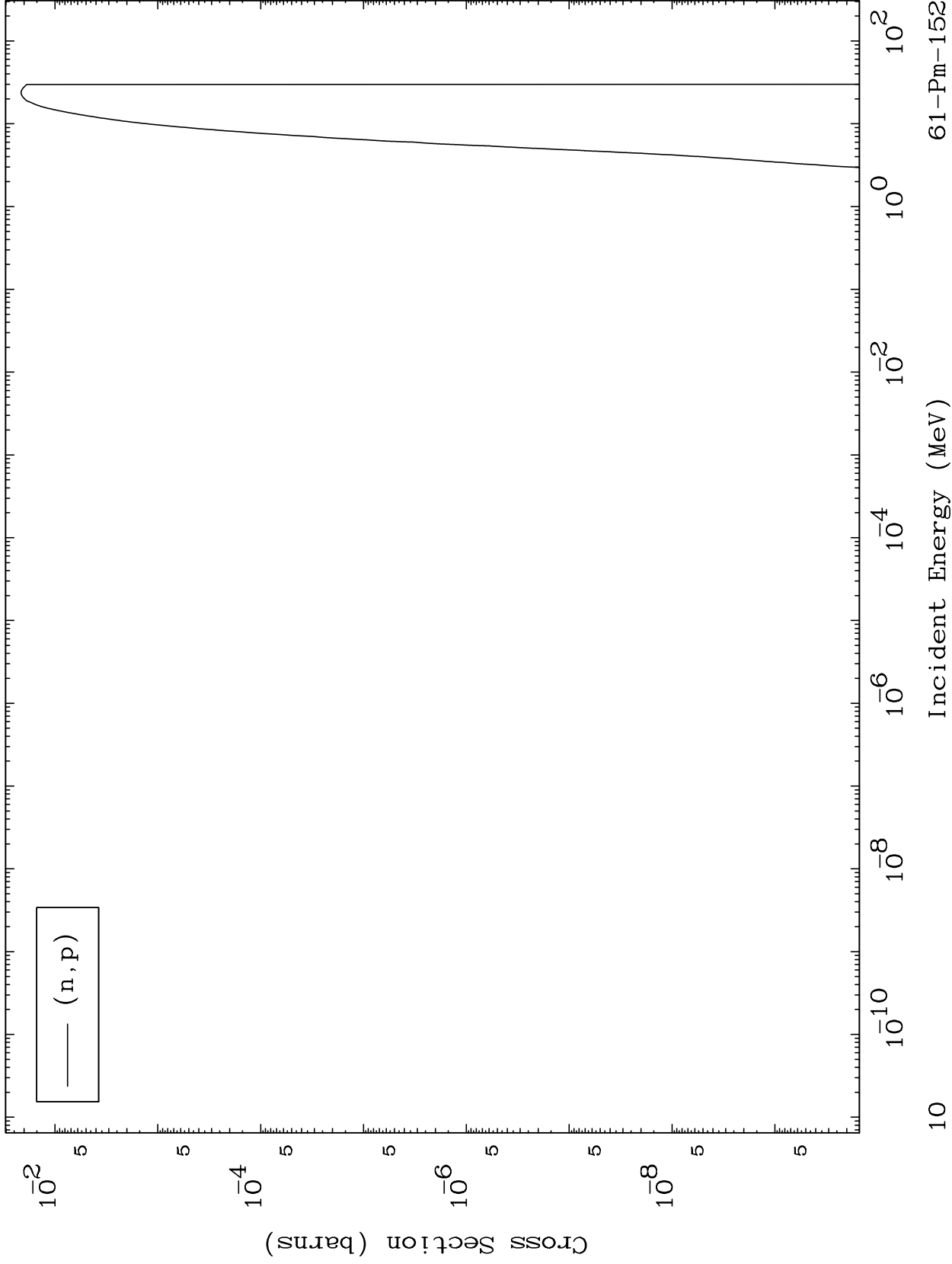
61-Pm-152



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(n,p) Levels
293 Kelvin Cross Sections

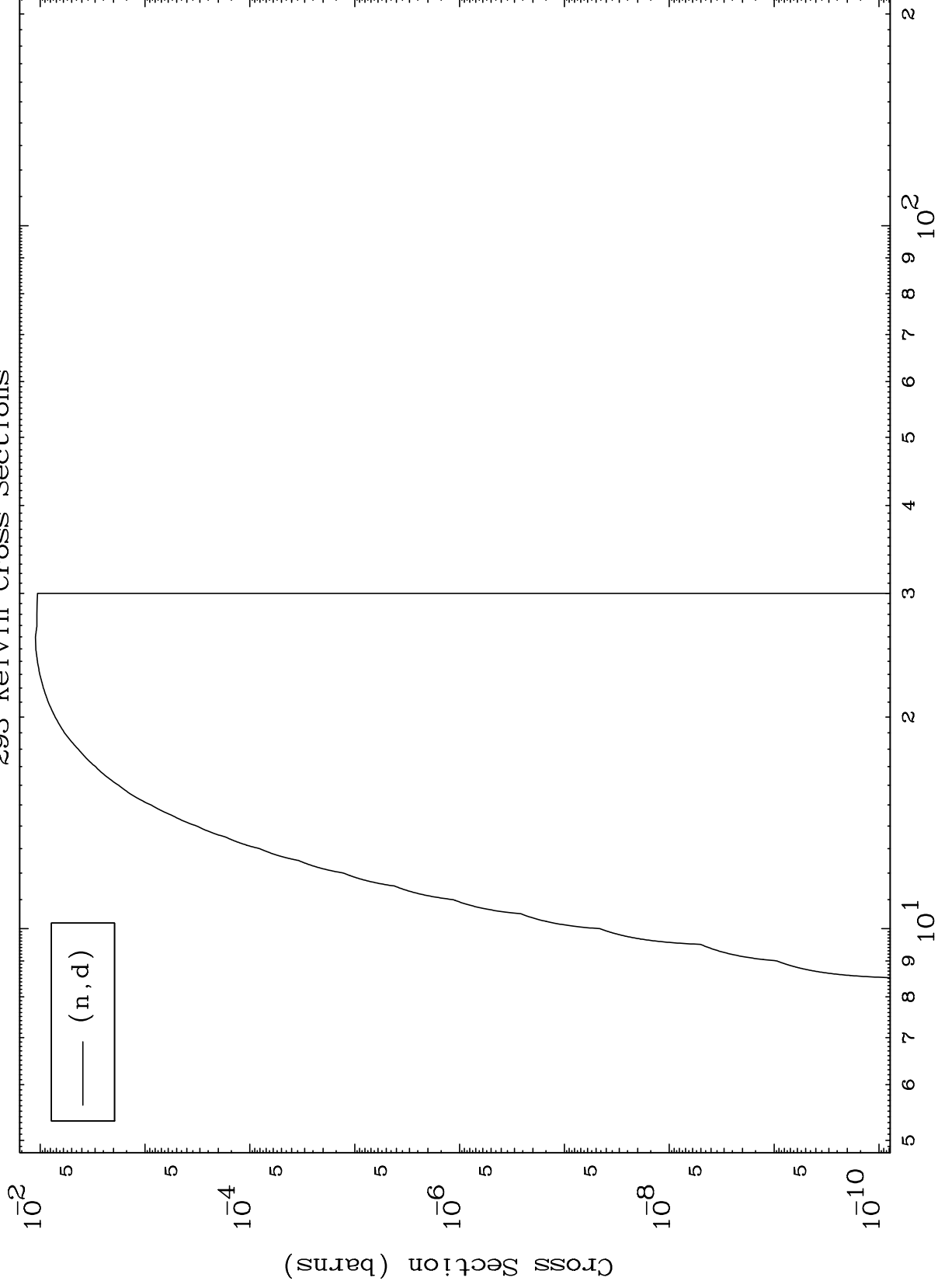
61-Pm-152



MAT 6166

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-152



11

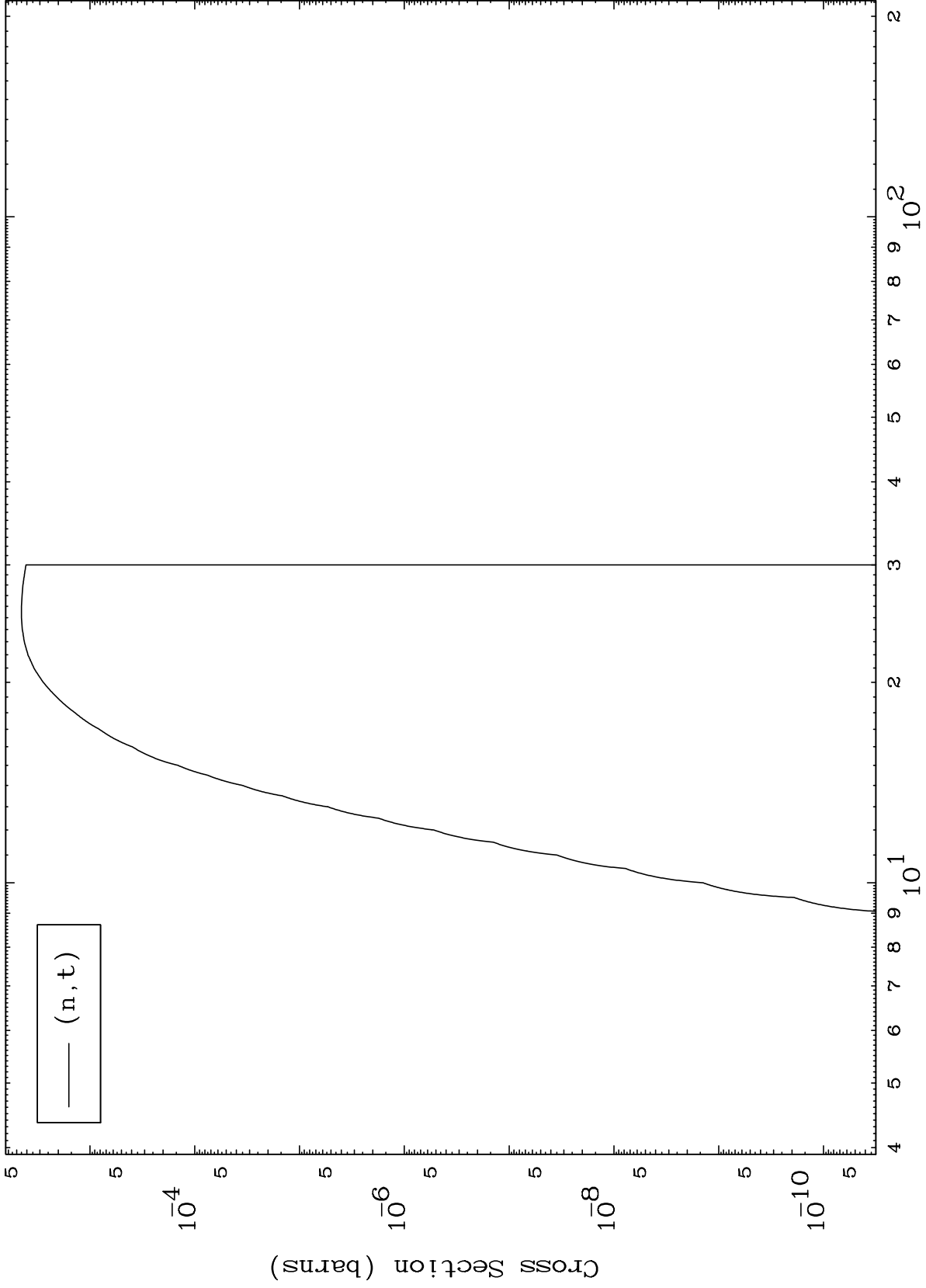
Incident Energy (MeV)

61-Pm-152

MAT 6166

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-152



12

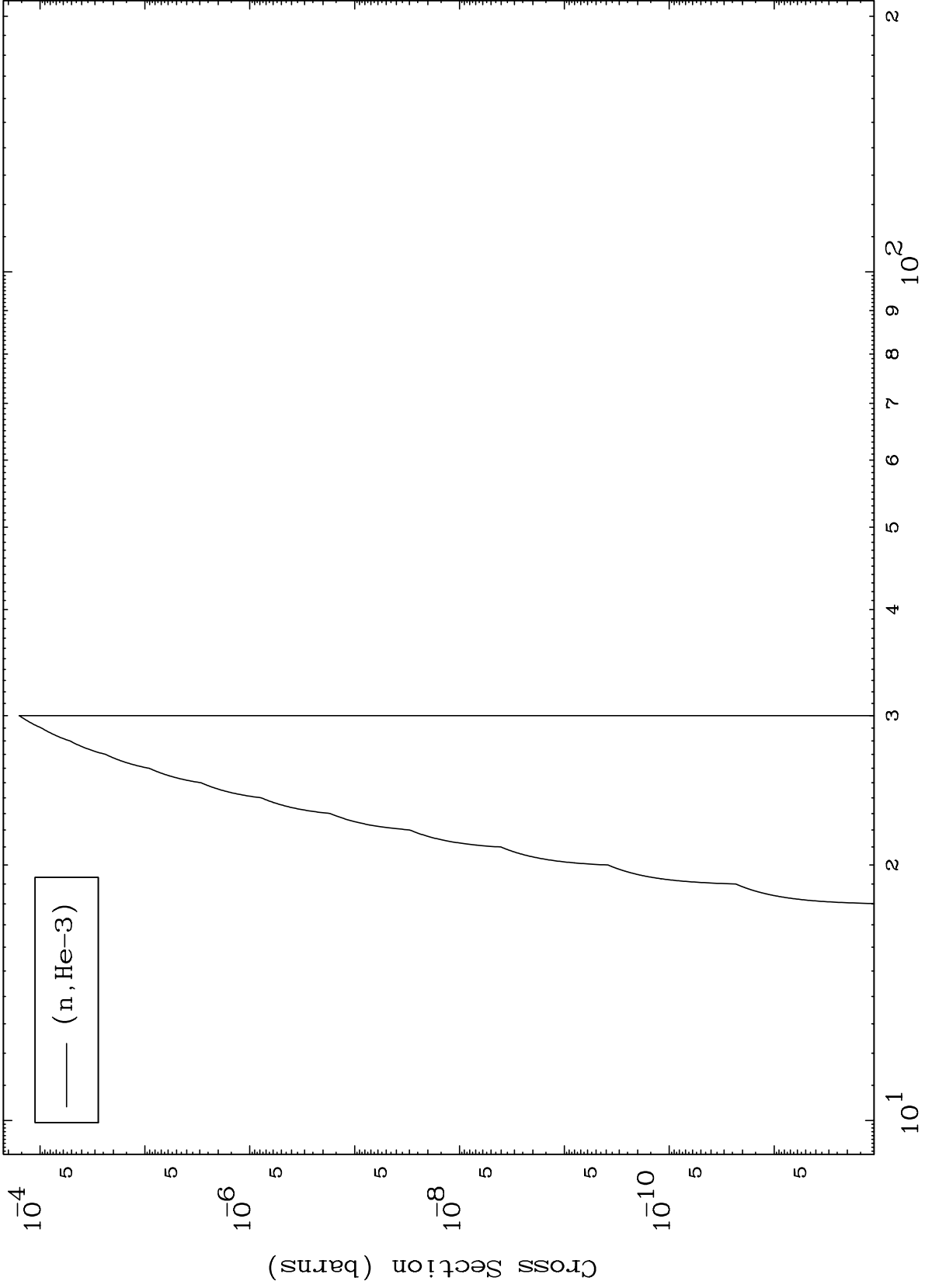
Incident Energy (MeV)

61-Pm-152

MAT 61666

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-152



13

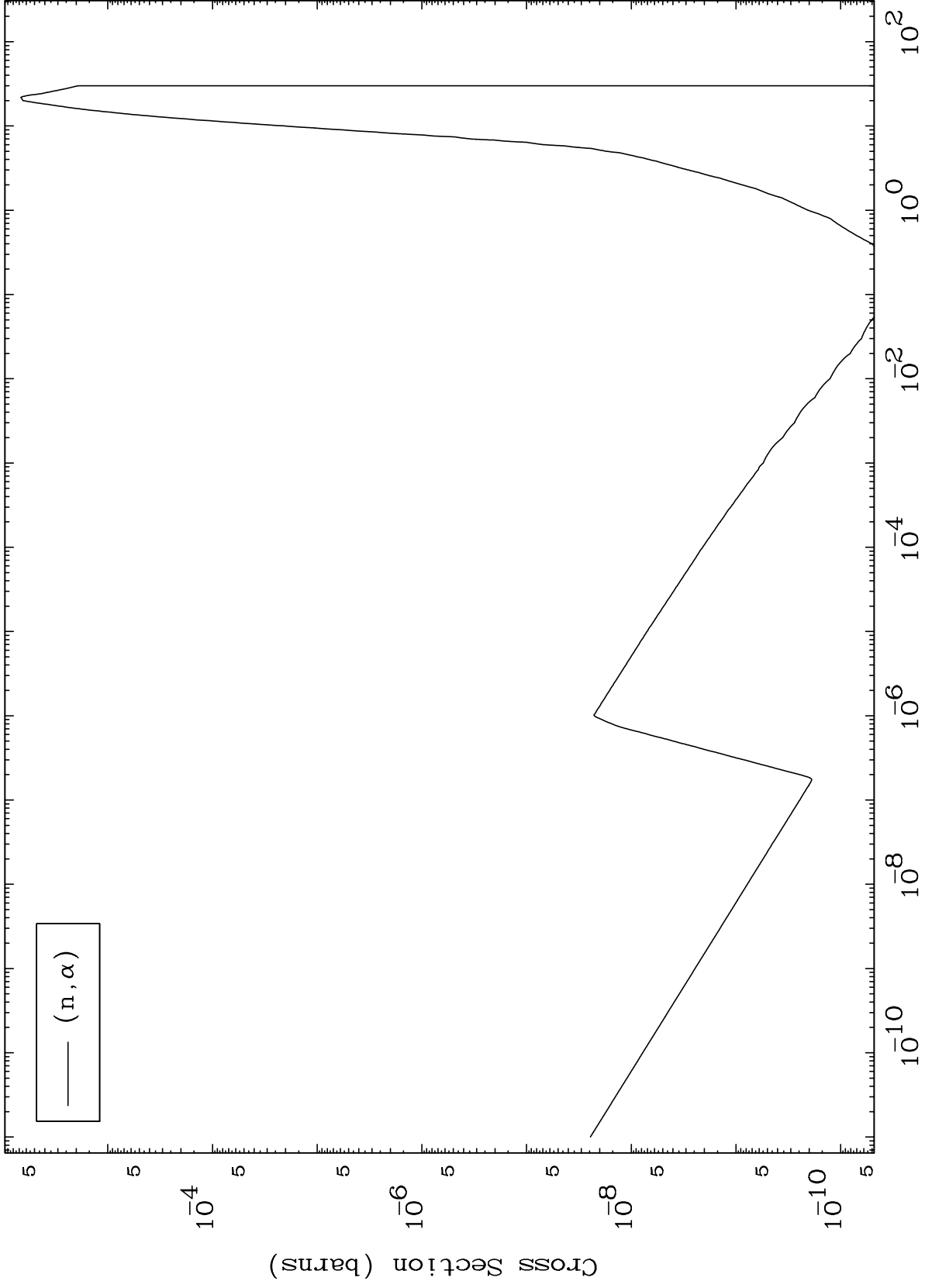
Incident Energy (MeV)

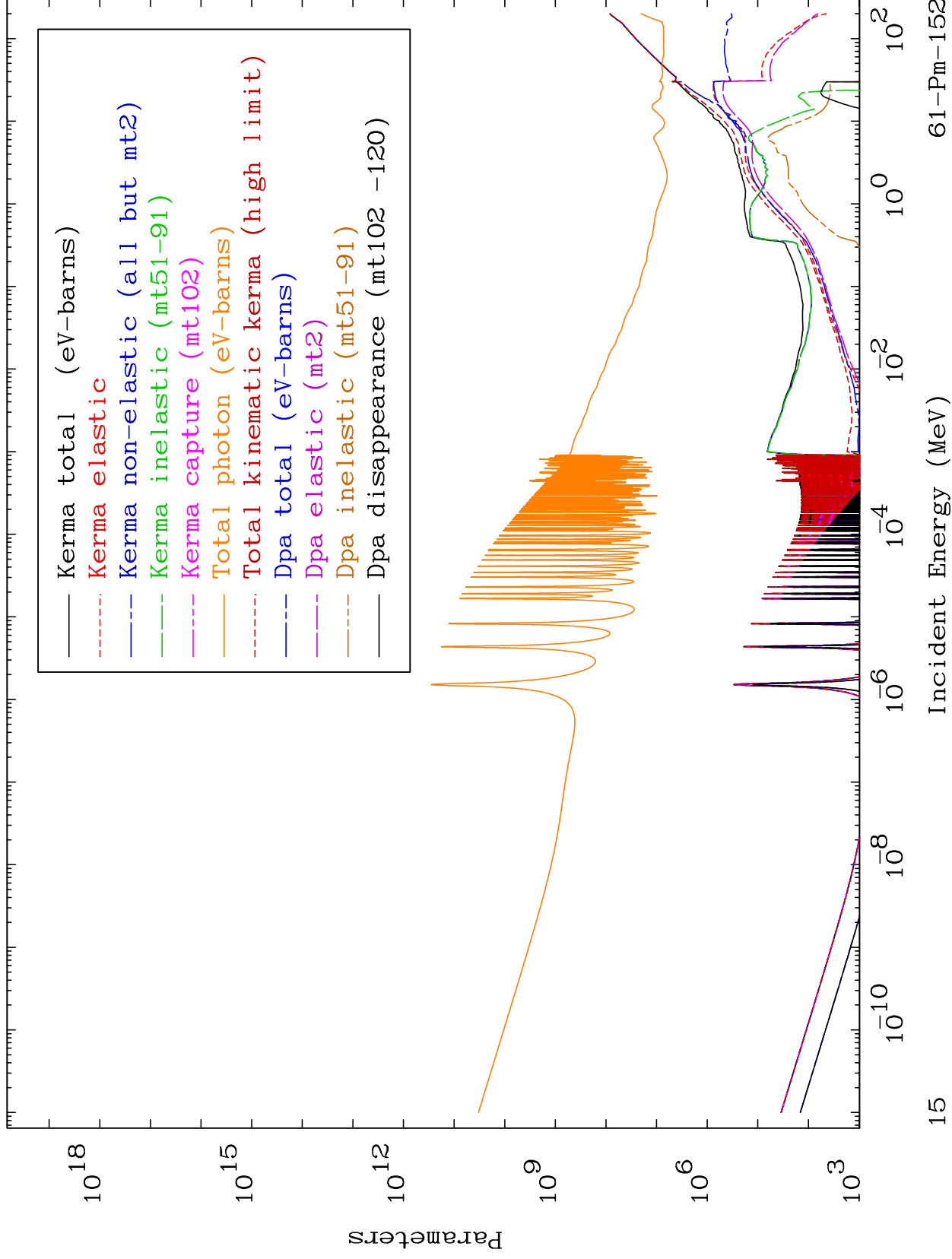
61-Pm-152

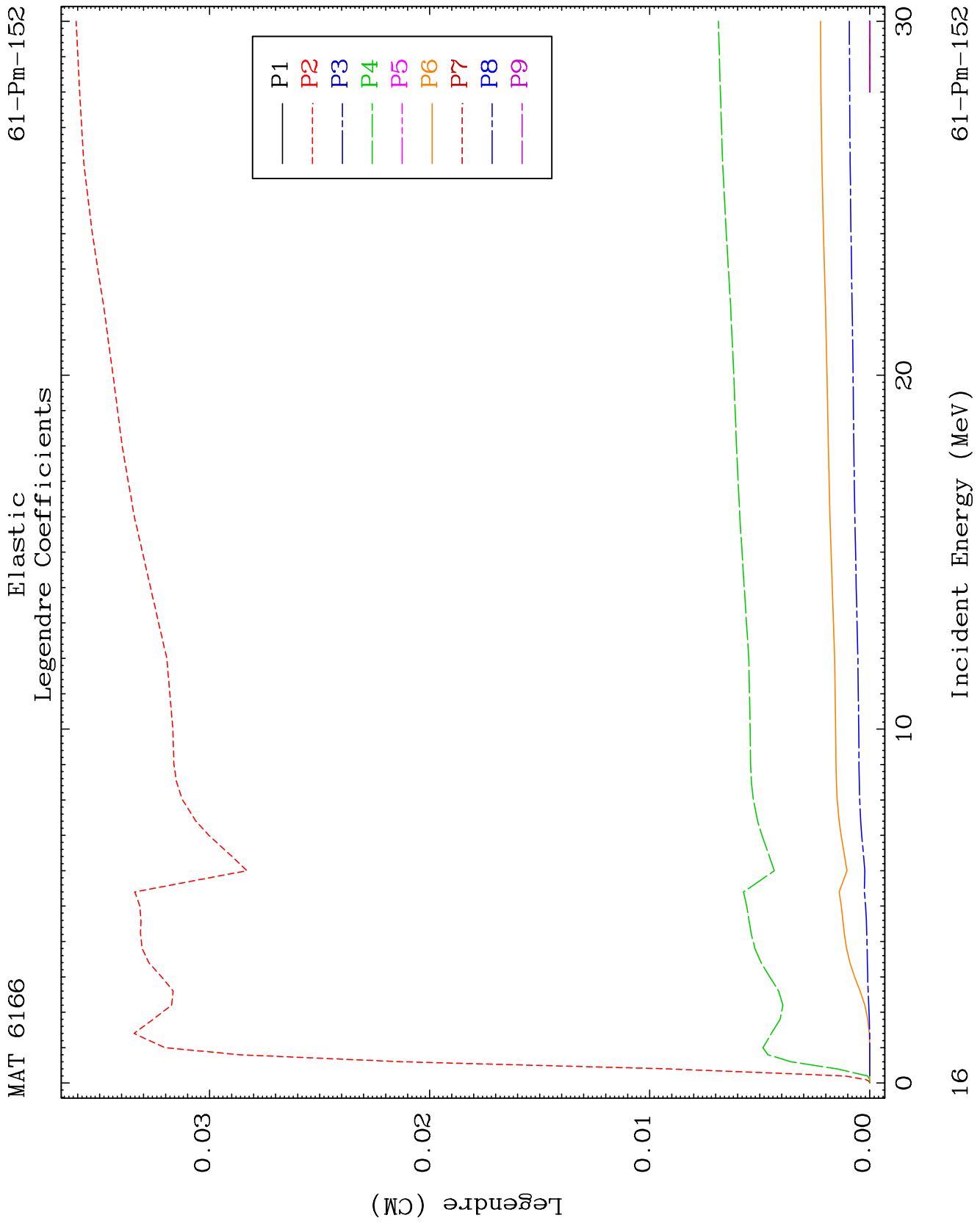
MAT 6166

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-152



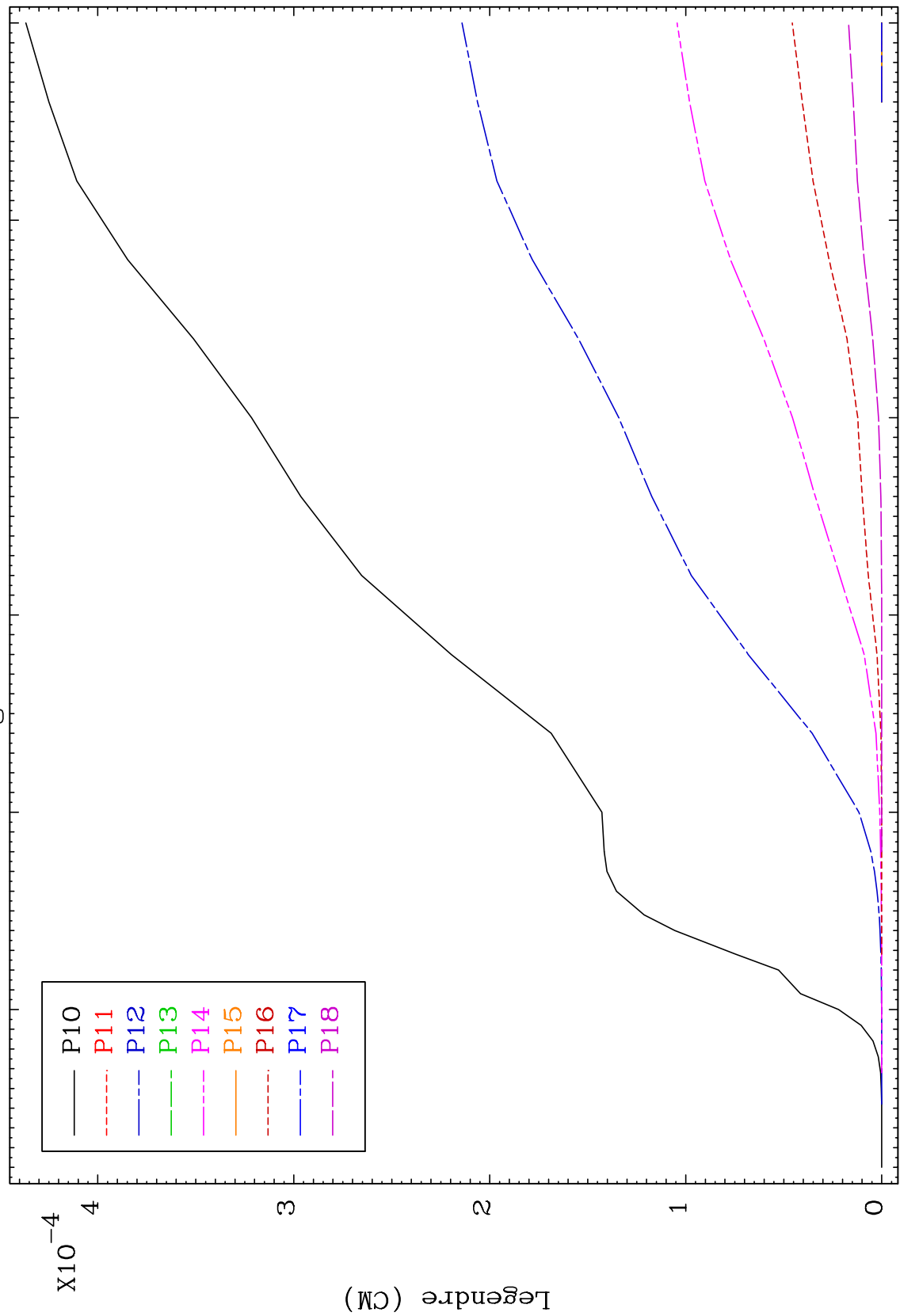




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Elastic Legendre Coefficients

61-Pm-152



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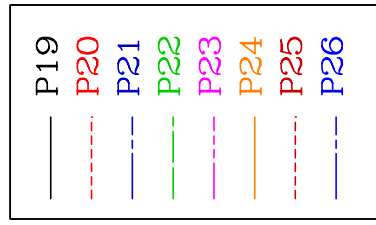
Incident Energy (MeV)

61-Pm-152

MAT 6166

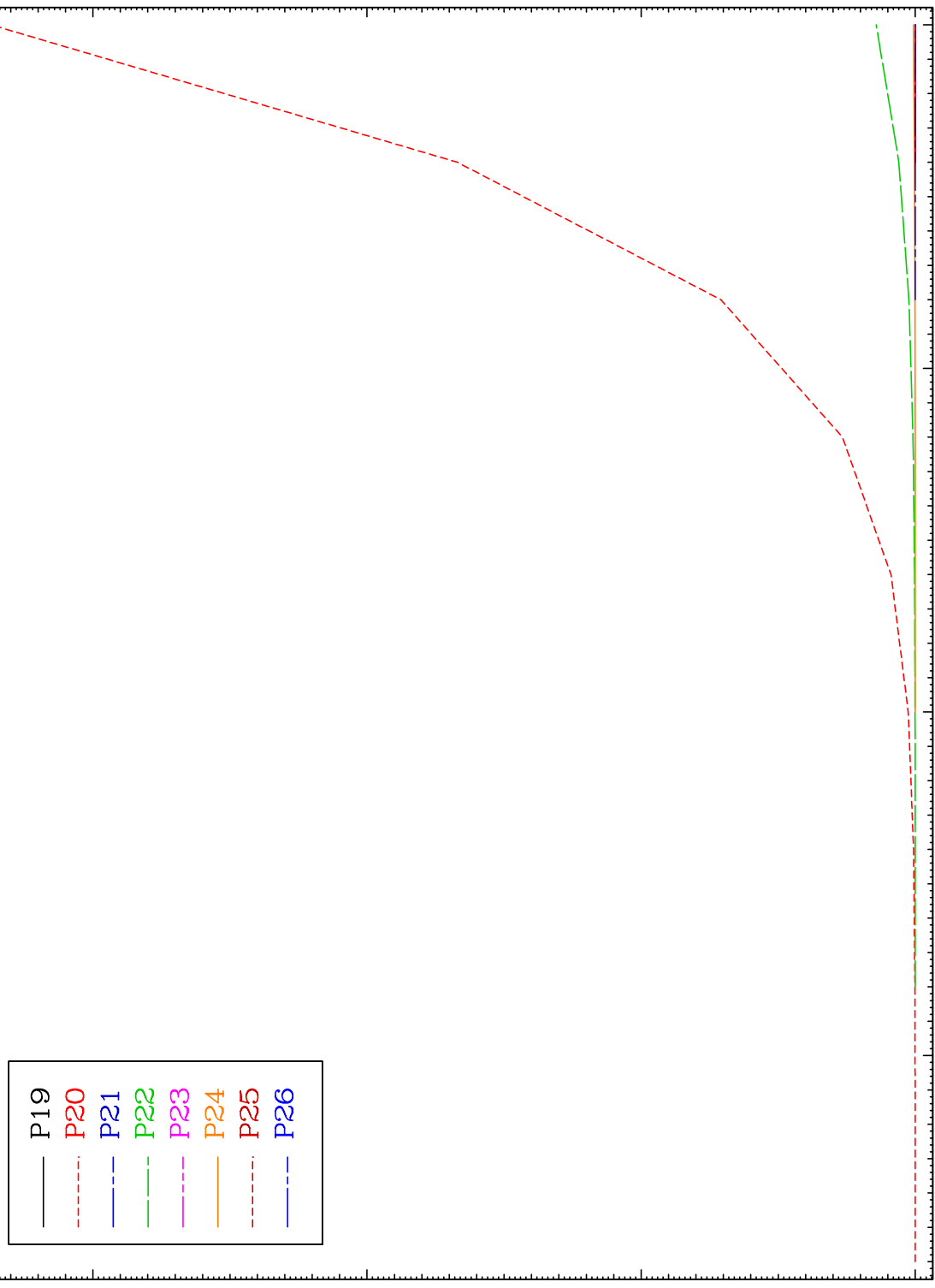
Elastic
Legendre Coefficients

61-Pm-152



$\times 10^{-6}$

Legendre (CM)



18

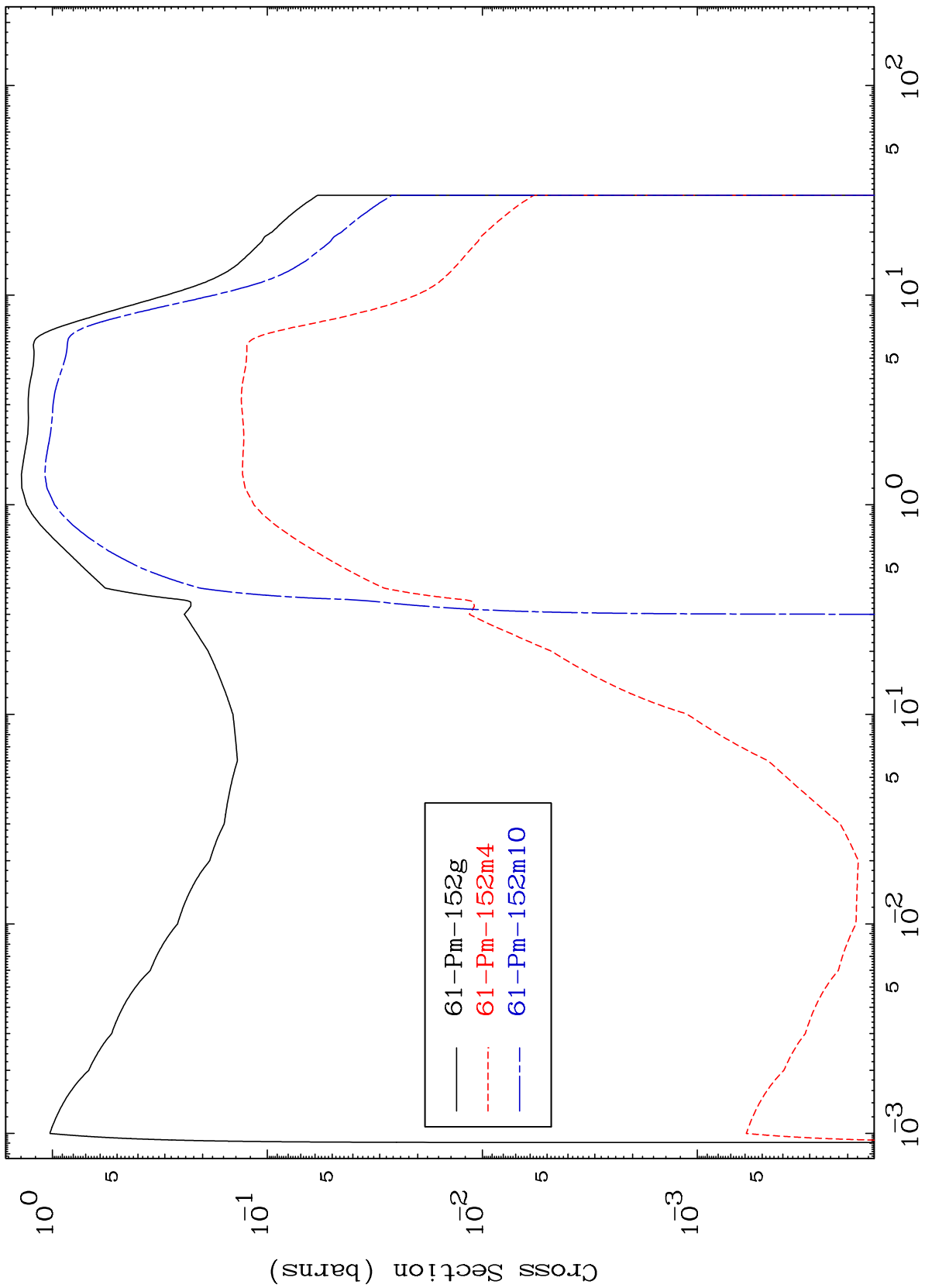
Incident Energy (MeV)

61-Pm-152

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61-Pm-152

Inelastic
Radionuclide Production Cross Section



19

61-Pm-152

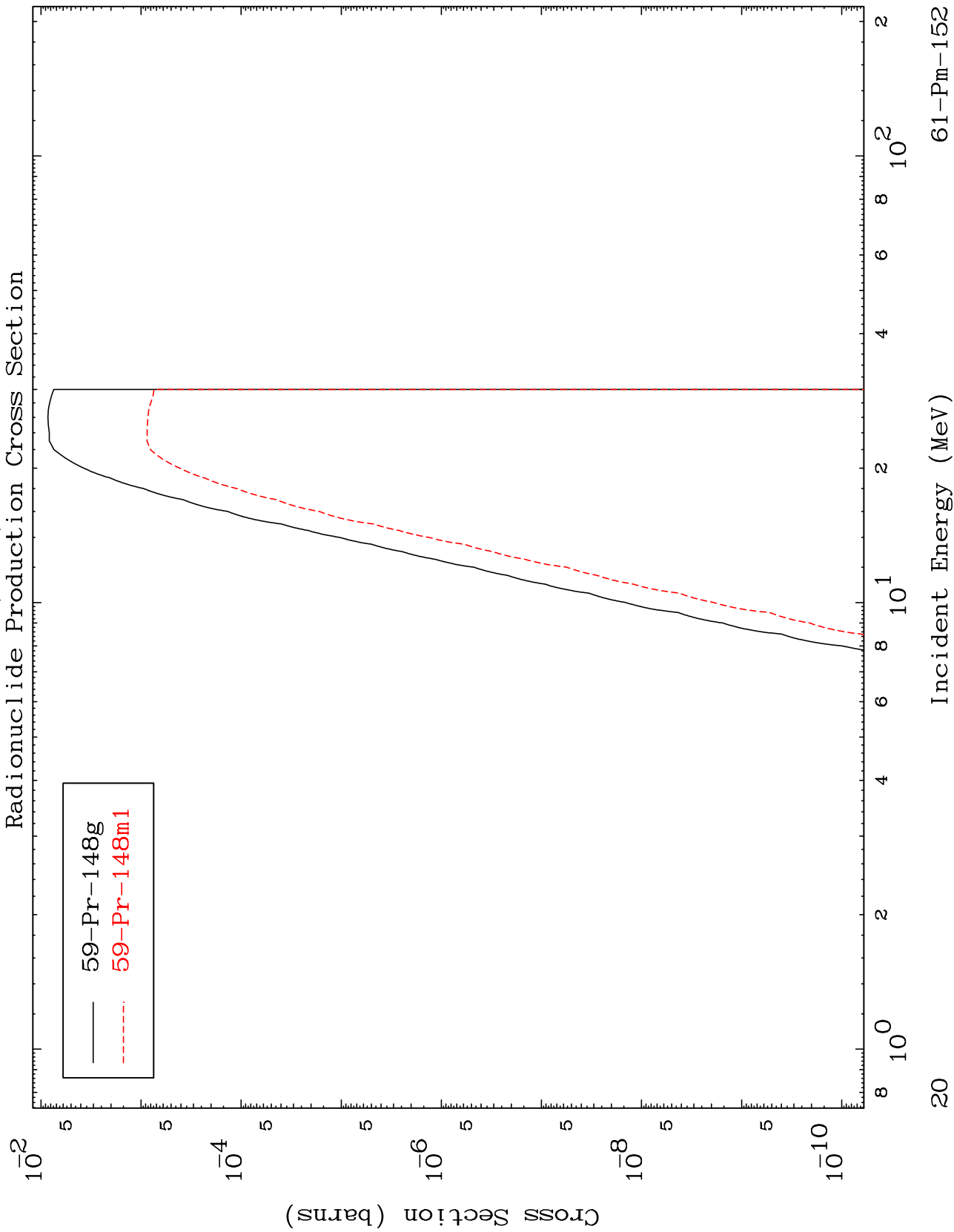
Incident Energy (MeV)

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(n,n') α

61-Pm-152

Radionuclide Production Cross Section



59-Pr-148g
59-Pr-148m1

20

Incident Energy (MeV)

61-Pm-152